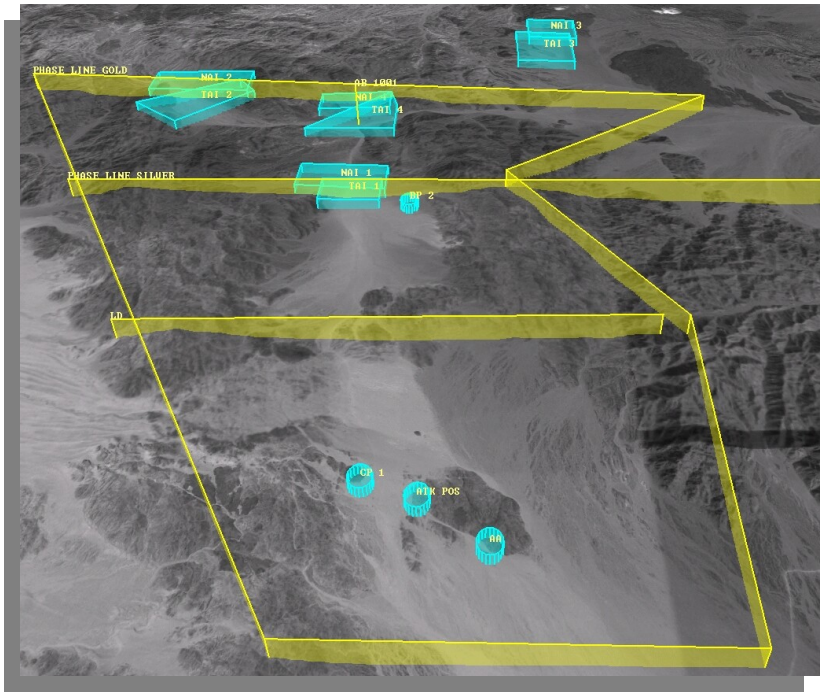
Combined Arms Command & Control Tactical Upgrade System



Major TJ Ferrell
Technology Division
Marine Corps Combat Development Command

CACCTUS

Combined Arms Command & Control Tactical Upgrade System

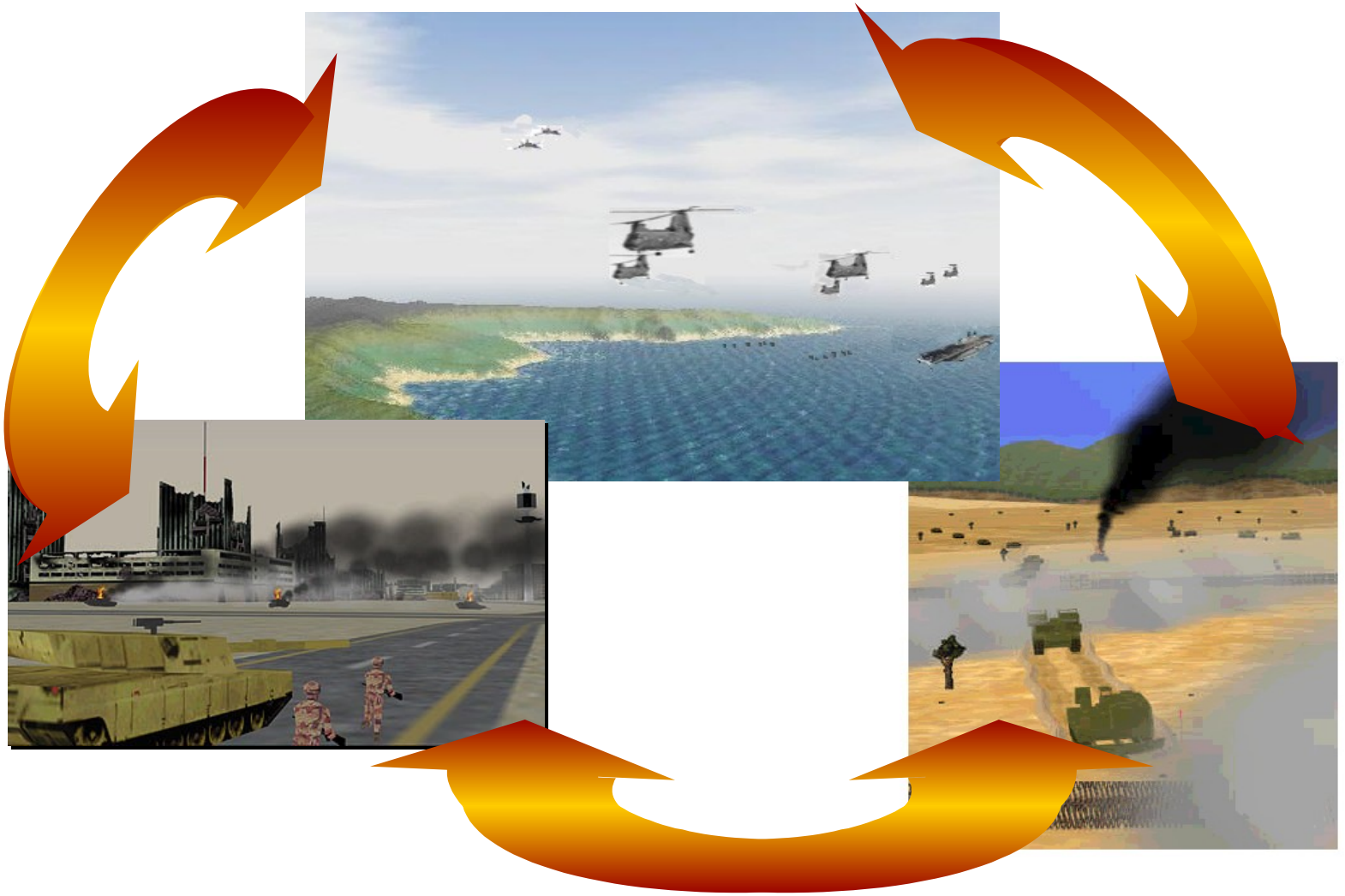
Tech Division Mission

- Develop, coordinate, resource, execute, support, and evaluate training and education technology
- We provide requirements for ground training systems

What is CACCTUS?

- Upgrade to the Combined Arms Staff Trainer
  - Improved Comm Suite
  - Representation of Friendly and Enemy Forces in Simulation
  - 3D Depiction of Terrain, Simulated Forces, Control Measures, and Fires
  - After Action Review
  - Interface with C4I Systems
  - Interconnectivity Between CASTs

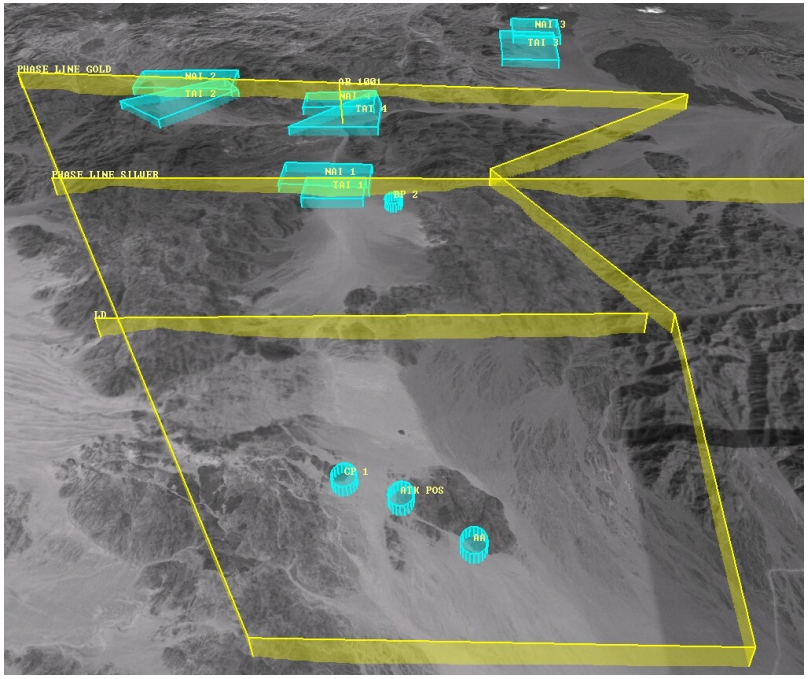
Representation of Forces in Simulation



O SMOKING

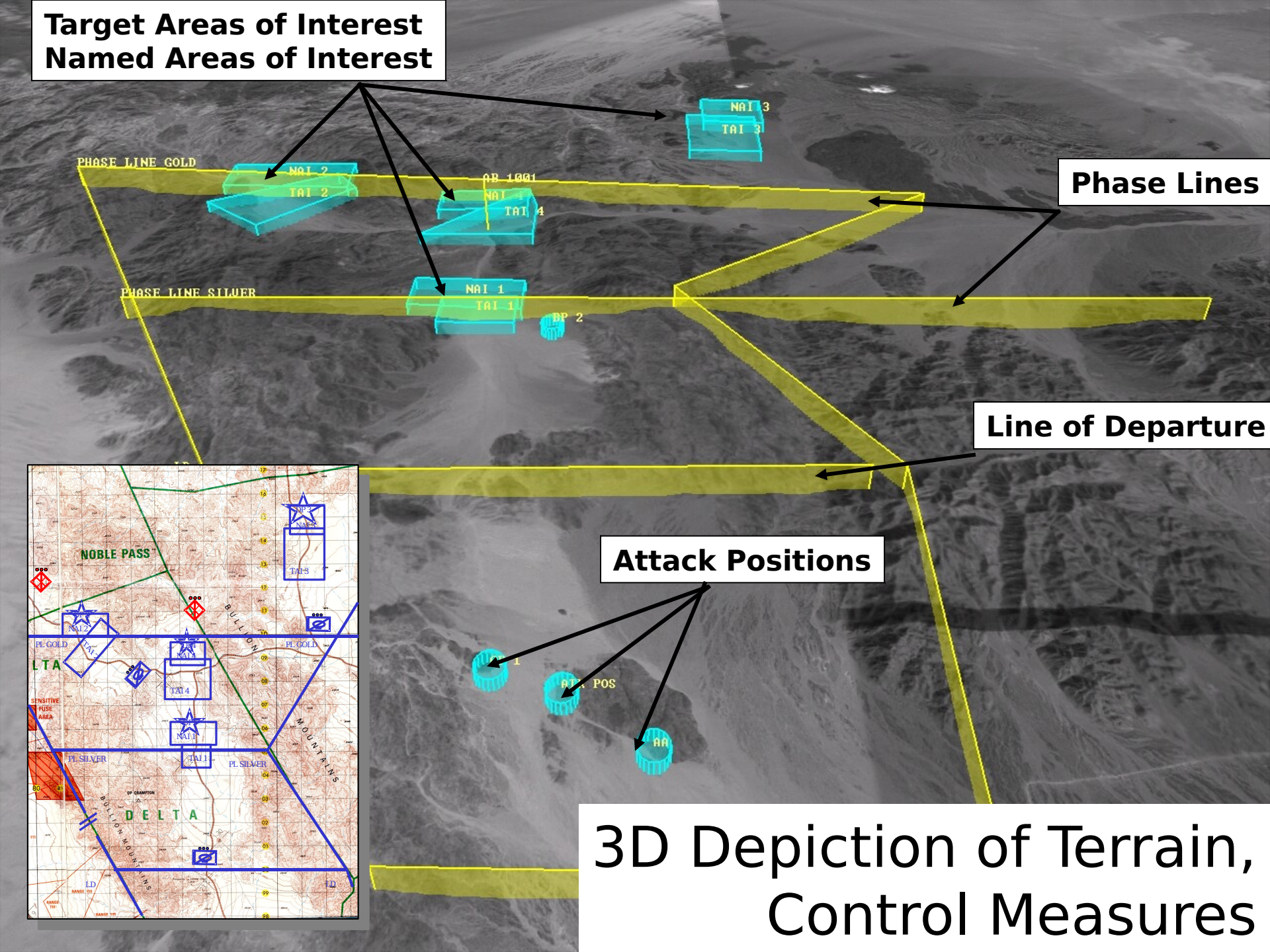
Description

This was the CACCTUS prototype, circa 2000, which provided an MTWS, 2D visual representation representation of activities taking place on the CAST board.



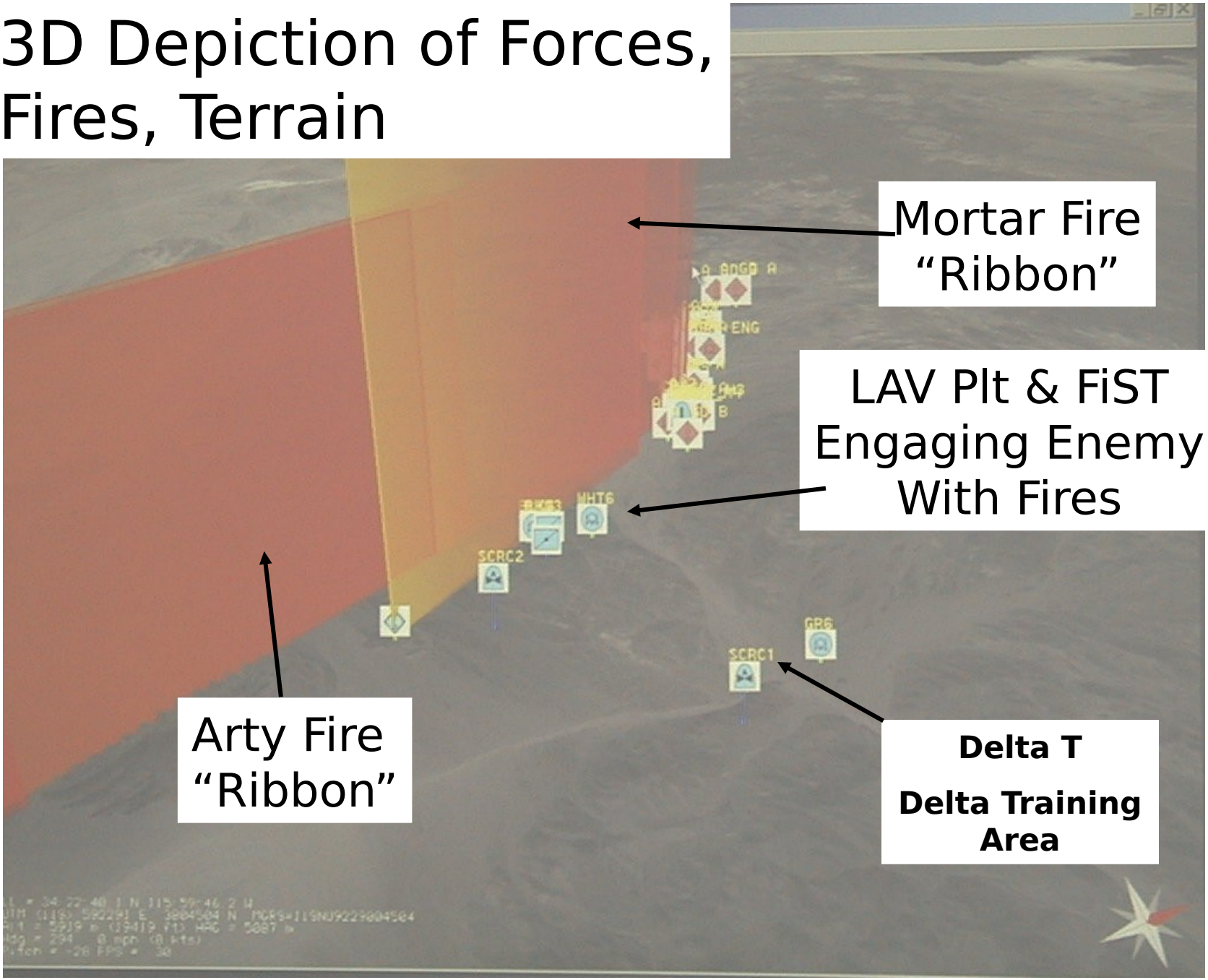
This is a 3D representation of the Delta corridor, with control measures. This is the type of 3D capability that we intend to build into CACCTUS.

CACCTUS/CAST Upgrade circa 2000



3D Depiction of Terrain, Control Measures

3D Depiction of Forces, Fires, Terrain



Interface with C4I Systems

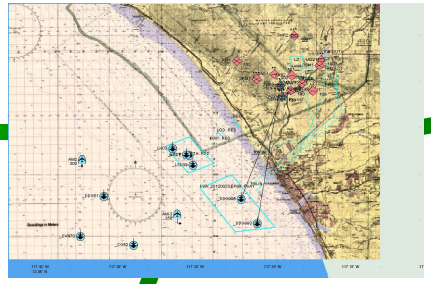
TCO

IAS

AFATDS

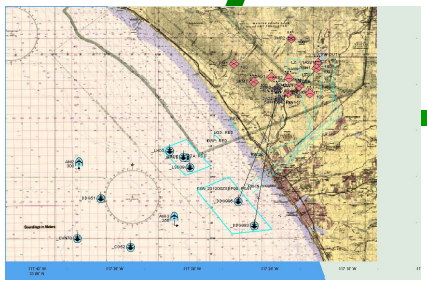
C2PC

Interconnectivity Between CASTs



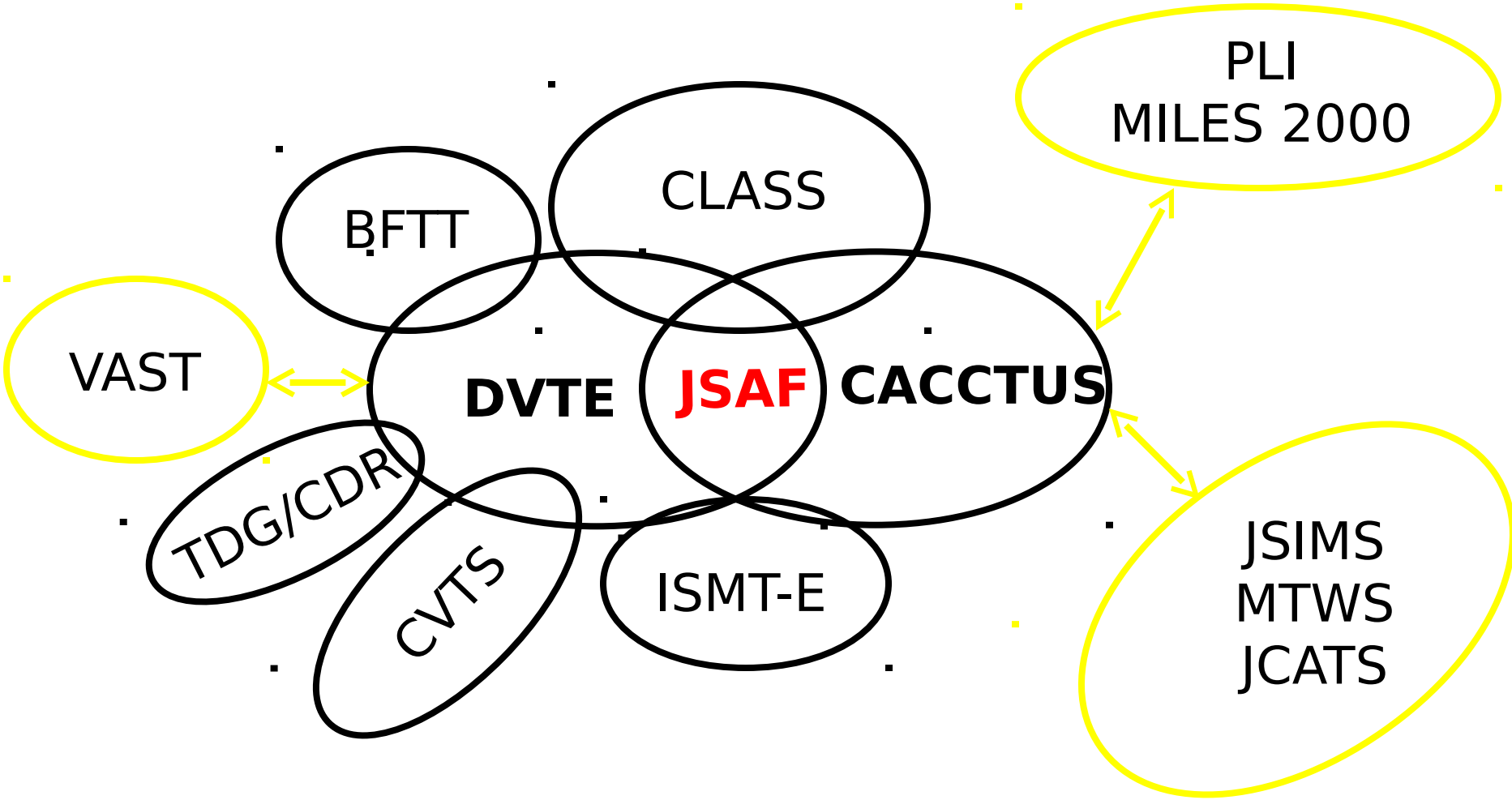
Battle Staff Training Facility (BSTF),Quantico

Combined Arms Staff Trainer, Camp Pendleton, CA



Combined Arms Staff Trainer, Camp Lejeune, NC

System Relationships



A Few Details

- $6M HASC Plus-Up FY-01
- Competing in POM 04 to upgrade all five CASTs

- Future Opportunities
  - Position Location Information
  - Deployable Virtual Training Environment